

Work Order ID 61816

Tuesday, September 07, 2010 12:44:33 PM



Page 1

Item ID: D4105-1

Revision ID:

Item Name: Strap

Start Date: 9/7/2010 Start Qty: 25.00

Required Date: 10/13/2010 Req'd Qty: 25.00

Reference:

Approvals:

Process Plan: CL

Date: 10/19/17

Tooling:

Date:

Run

Start



QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

D4105

A B CL101917

100



PURCHASING

Purchasing

Memo

0.00

CL 10/19/17 25

Purchasing

Issue P/O: 12523
Manufacture as per dwg D4105
Possible Supplier: Tulmar
Material release note is required.

110



Receive & Inspect for Damage & Mat'l Certs

0.00

Packaging

Memo

0.00

Packaging

Ensure Material release note is required.

120



QC6- Inspect dimensions to drawing

0.00

QC

Quality Control

Memo

0.00

count 10

x25

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 61816

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Tuesday, September 07, 2010 12:44:33 PM

Item ID: D4105-1

Accept



Setup Start



Revision ID:

Item Name: Strap

Stop



Start Date: 9/7/2010 Start Qty: 25.00



Cust Item ID:

Required Date: 10/13/2010 Req'd Qty: 25.00



Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center ID

130



Packaging

Packaging

Operation
DescriptionIdentify as per dwg & Stock Location: DBSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

0.00

0.00

140



QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

10/10/10 / SL 25

10/10/10 JF

MF

10-10-01

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Page 1

Work Order ID: 61816



Parent Item: D4105-1



Parent Item Name: Strap

Start Date: 9/7/2010

Required Date: 10/13/2010

Start Qty: 25.00

Required Qty: 25.00

Comments: IPP Rev:A 10.09.07 new issue DD verf:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4105-1P 		Purchased	No			110	Each	0.0000	1	25		20/09/2010	(25)

Strap

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

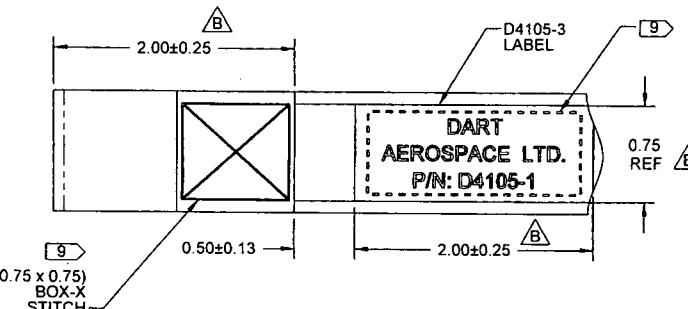
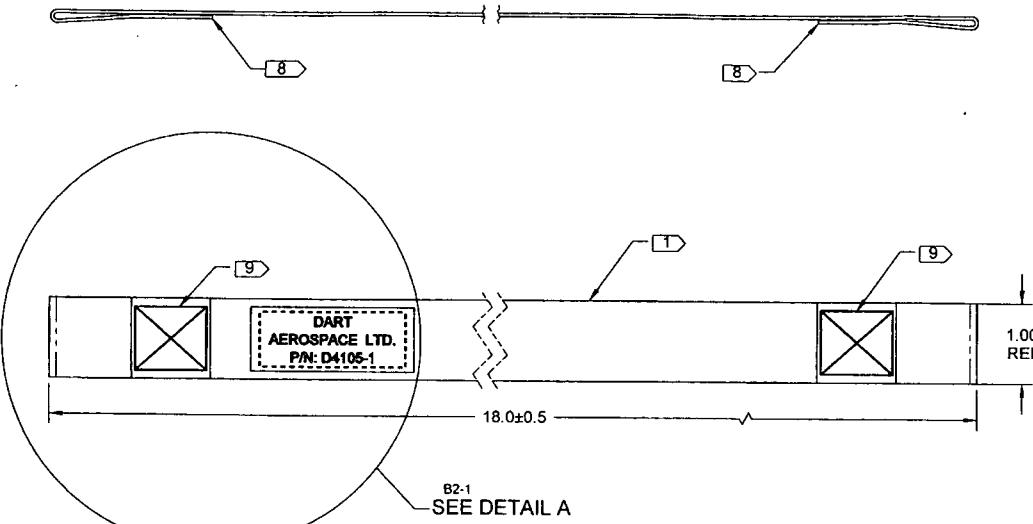
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

8 7 6 5 4 3 2 1

D



DETAIL A B6-1
SCALE X1.5

RELEASED
2010-09-23
AM

A D4105-3 NOTES:

- 1) MATERIAL: WHITE TYVEK OR WHITE POLYESTER WHICH MEETS FMVSS 302
- 2) USE 1/8 BLACK LETTERING
- 3) CENTER ON BELT WIDTH

A D4105-1 NOTES:

- 1) MATERIAL: NYLON, MIL-W-4088, TYPE XVII, CLASS 1, COLOR BLACK, 37030 PER FED-STD-595
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: ID LABEL
- 7) WEIGHT: 0.04 lbs
- 8) HOT CUT WEBBING ENDS TO PREVENT FRAYING
- 9) STITCHING TO BE PER ASTM D6193, TYPE 301, 8-10 STITCHES PER INCH, MIN (1/2") BACK STITCH, (1/8") FROM EDGE USING THREAD NYLON V-T-295 TYPE II, CLASS A, SIZE F COLOR BLACK

D4105-1 STRAP

C4105-124
W10.61816

B	REVISE NOTES FOR D4105-1/3 (ZN A8-1, B8-1; B4-1); REVISE DIMENSIONS (ZN B1-1, B2-1, B3-1)	RF	10.09.13
A	NEW ISSUE	RF	10.05.06
REV.	DESCRIPTION		
DESIGN	RF	DART AEROSPACE LTD	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	✓	DRAWING NO.	REV. B
MFG. APPR.	✓	D4105	SHEET 1 OF 1
APPROVED	✓	TITLE	SCALE
DE APPR.	✓	STRAP	NTS
DATE	10.09.13	COPYRIGHT © 2010 BY DART AEROSPACE LTD	
		THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PO REPRINT

Purchase Order ID PO12523

Purchase Order Date 9/07/10
PO Print Date 9/13/10

Page Number 1 of 1

Order From : VC-TUL001

TULMAR SAFETY SYSTEMS
1123 CAMERON ST
HAWKESBURY, ON K6A 2B8
CA

REVISED

Contact Name	Buyer	Chantal Lavoie
Vendor Phone	Requisition Nbr	
Vendor Fax	Tax Resale Nbr	10127-2607
Vendor Account Nbr	Terms	Net 30
	Currency	CAD
	FOB	

Ship To : DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req. Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	D4105-1P	Strap	9/15/10 Yes	25.00 Each	Dart Truck	\$5.7500	\$143.75
2	61816	D4105-1 SET-UP CHARGE	9/15/10 Yes	1.00	Dart Truck	\$250.0000	\$250.00

Special Inst: AS PER DWG D4105 REV. *X* B
B61816

Special Inst: SET UP CHARGE 250.00\$

PO Total: \$393.75



No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 2

Change Date: 9/13/10

PACKING SLIP

TULMAR

Tulmar Safety Systems Inc.
1123 Cameron Street
Hawkesbury, ON K6A 2B8 CA
Tel: 613-632-1282
Fax: 613-632-2030
MID : XOTULSAF1123HAW
email: info@tulmar.com

Bill To:

Dart Aerospace
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7. Canada

COPY

Packing Slip No. 37241

Ship Date

28-Sep-10

Ship to:

Dart Aerospace
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7. Canada

Order number	Sales order date	Account number	Account manager
25354	27-Sep-10	CDART100	Barney Bangs
PO number	Ship Via	Shipping Terms	
PO12523	Pick-Up	FOB ORIGIN	
Item No.	Quantity ordered	UOM	Qty Shipped/Returned
85079-001	25	EA	25
Strap/ Drawing No: D4105-1 DWG Rev: B			
Lot No: BATCH0000000001 Qty: 25			
SET-UP OMO	1	EA	1
Eng Set-up, Other Mfg/			

To cover cost of set-up charge

Shipper

Dick Andrew

Date:

SEP 28 2010

Certificate of Conformance

Not Applicable

See Certification Enclosed

I hereby certify that the items listed hereon have been inspected, and / or tested (as applicable), conform to all specifications and requirements detailed in the contract or purchase order. Objective evidence to support this statement is on file, and can be made available upon request.
If any questions or concerns, please contact QA Manager @ 613-632-1282 ext. 245.

Authorized Inspector

Dominique LeLiberte

Date:

Sept. 28/10

B A L L Y R I B B O N M I L L S

03/29/10

Qualified Lab
List No. 1935
(610)-845-2211

23 N. 7th Street
Bally, PA 19503

Customer	TULMAR SAFETY SYSTEMS	Shipment
Purchase Order No.	17462-00	Shipped Via UPS COLLECT
Specifications	MIL-W-4088K CLASS 1 TYPE XVII COLOR CHIP #37030 TSS 2262B	Memo No. 346447
Contract No.	UV, MOULD, FUNGUS RESISTANT LOT #9A1680 02/10	Quantity 620 YD
BALLY RIBBON MILLS Pattern No.	8941-1" BLACK NYLON WEBBING	<i>S10/10/01</i>

CERTIFICATE OF CONFORMANCE

I certify that this pattern conforms with the physical, chemical, and visual quality of the Military Specifications listed above.

Jerome Richards

JEROME RICHARDS
QUALITY ASSURANCE MANAGER

used on TSS 85079-001
Aug. #04105-1

TSS 2262B /13

(2)

S4. Color cross reference. The following colors meet the special requirements for safety, highway and camouflage colors.

Safety Colors (OSHA)	Highway Colors (DOT)	Camouflage Colors
Red -- 11120	Brown -- 10055	Green 383 -- 34094
-- 11105	Red -- 11086	Brown 383 -- 30051
-- 1140	-- 11105	Black -- 37030
Orange -- 12300	Orange -- 12243	Tan 686 -- 33446
-- 12246	Yellow -- 13507	Dark Green -- 34082
Yellow -- 13591	-- 13538	Field Drab -- 33105
-- 13655	Green -- 14066	Earth Yellow -- 33245
Green -- 14120	-- 14109	Sand -- 33303
-- 14260	Blue -- 15065	Aircraft Green -- 34031
Blue -- 15092	-- 15090	Aircraft Gray -- 36300
-- 15102	School Bus	Dark Sandstone -- 33510
Purple -- 17155	Yellow -- 13415	Interior
-- 17142		Aircraft Black -- 37031

International
Orange -- 12197

Note: The chips for camouflage colors shall be used for general color matching purposes only. The specifications for camouflage coatings contain requirements for infrared reflectance which must be met in addition to color. The color cards (chips) for the camouflage colors will contain pigments chosen for their stability and compatibility with the color card coating and, therefore, have different infrared reflectance characteristics than those required for camouflage coatings. Merely matching the color chip for color will not be sufficient to assure product acceptance by the contracting activity. For further information, contact: Commander, U.S. Army Belvoir RDE Center, ATTN: STRBE-VO, Fort Belvoir, VA 22060-5606.

S5. Color chip reproduction. Color chips may not be reproduced without the authorization of General Services Administration. Reproduction of color chips from any source other than the master standard is not authorized. The General Services Administration must approve all color matches made when the color chips are reproduced.

Please insert your company letter head
& Complete address

PAXAR CANADA
1920 Clements Road
Pickering, Ontario L1W-3C1

Certificate of Compliance

DATE:

May 25, 2007

OUR PROD. NO.:

25KAMSAFE

CUSTOMER P/O NO.: 12725-00

CUSTOMER: Tulmar Safety Systems Inc.

PRODUCT:

paper tags on rolls

QTY. SHIPPED:

1 EA

LOT NO.:

750893

S

MFG DATE:

03-01-2007

10/10/01

ROLL NO.:

SHELF LIFE:

1 YEAR

We certify that the product,

Label Kit

white/Black Ink

Flame Resistant FMUSS 302

was manufactured, inspected and Conforms to specifications
applicable to the product.

Signature:

Carlyn Lein

Title:

Shipper

INCH-POUND

A-A-59826

03 March 2009

SUPERSEDING

V-T-295E

1 August 1985

COMMERCIAL ITEM DESCRIPTION

THREAD, NYLON

The General Services Administration has authorized the use of this commercial item description as a replacement for V-T-295 for all federal agencies.

1. SCOPE. This commercial item description covers nylon thread used for machine and hand-sewing.

2. CLASSIFICATION. The thread shall be of the following Types and Classes. In end item documents where neither Class designation "A" or "B" is indicated, the requirements for Class "A" shall apply.

- 2.1 Type. Type I - Twisted multiple cord, unbonded, soft finish
 Type II - Twisted multiple cord, bonded finish
 Type III - Monocord, bonded finish
 Type IV - Hand-sewing twist, waxed finish
 Type V - Buttonhole twist, hand-sewing (waxed)
 Type VI - Tailoring, twisted multiple cord, soft finish
 Type VII - Quilting thread, coreless cocoon bobbins and top thread, twisted multiple cord, soft finish

- 2.2 Class. Class A - General purpose
 Class B - Non-wicking (Type I or II)

8/10/01

3. SALIENT CHARACTERISTICS. The thread shall be bright, high tenacity continuous multifilament nylon. The nylon shall be a polyamide prepared from hexamethylene diamine and adipic acid or its derivatives. The thread shall have a melting point of not less than 472°F and conform to the applicable requirements specified in Tables I through X. Types II and III threads shall be bonded with a colorless nylon polymer agent.

Comments, suggestions, or questions on this document should be addressed to: Defense Supply Center Philadelphia, Clothing and Textiles Directorate, Attn: DSCP Standardization Team, 700 Robbins Avenue, Philadelphia, PA 19111-5096. Since contact information can change, you may want to verify the currency of the address information using Acquisition Streamlining and Standardization Information System (ASSIST) online database at <http://assist.daps.dla.mil>.



**American & Efird Inc.
Post Office Box - 507
Mount Holly, NC -28120**

Test Report

Date : 9/17/2010

Mfg. Date : 3/27/2010

Quantity: 43

Lot Id : 705150

Product : Tex 90 BONDED 'Z' NYLON FILAMENT Black AA 63002 16 OZ

Specification : A-A-59826 TPII CLA F BT92N4

Customer Order Number : 17499-00

Plys (Visual) : 4

Customer : Tulmar Safety Inc.

Twist Direction : Z

Shipped To : Tulmar Safety Inc.

A&E Color : 63002 Black
AA

Description : Bright, Continuous Multifilament Nylon, Melting Point >472F; Colorless Nylon Polymer Bond;
Polypropylene Spools

Characteristic	Test1	Test2	Test3	Test4	Test5	Average	Minimum	Maximum
Strength #1 (Pound)	15.2	15.7	15.6	15.7	15.8	15.619		
Strength #2 (Pound)	15.4	15.1	15.2	15.4	14.8	15.177		
Average Strength (Pound)						15.4	11.8	
Elongation #1 (Percent)	20.5	22.4	21.8	22	21.8	21.722		
Elongation #2 (Percent)	22.3	21.4	21.9	22.5	21.1	21.856		
Average Elongation (Percent)						21.8		26
Lube							Pass	Pass
Twist S #1 (Turns per inch)	12.2	12.2	12.2	12.2	12.2	12.2		
Twist S #2 (Turns per inch)	12.2	12.2	12.2	12.2	12.2	12.2		
Average Twist S (Turns per inch) Initial Twist						12.2		
Twist Z #1 (Turns per inch)	8.1	8.1	8.1	8.1	8.1	8.1		
Twist Z #2 (Turns per inch)	8.1	8.1	8.1	8.1	8.1	8.1		
Average Twist Z (Turns per inch) Final Twist						8.1	5.5	
Yield #1 (Yards/Pound)	4211.8					4211.8		
Yield #2 (Yards/Pound)	4114.7					4114.7		
Average Yield (Yards/Pound)						4163.2	3601	5200
Laundry #1 (Grading Scale)	5					5		
Laundry #2 (Grading Scale)	5					5		
Average Laundry (Grading Scale)						5	3	

sed on TSS 85079-00,
log # ID 4105-1

TSS # 2530/48

frmGovernment

Dry Cleaning #1 (Grading Scale)	5	5
Dry Cleaning #2 (Grading Scale)	5	5
Average Dry Cleaning (Grading Scale)		3
Perspiration #1 (Grading Scale)	5	5
Perspiration #2 (Grading Scale)	5	5
Average Perspiration (Grading Scale)		3
Color Fastness to Light #1 (Grading Scale)	5	5
Color Fastness to Light #2 (Grading Scale)	5	5
Average Color Fastness to Light (Grading Scale)		3.4

I certify that the above test were performed under my supervision and in accordance with the specification test requirements and that the reported test results are true, valid and applicable to the samples tested. I further certify that these samples were the only samples tested from the lot of components identified above.

Signed : *Joseph D. Munday*

Joseph D. Munday

Testing Director

This Certificate of Compliance is the property of American & Efird Inc. and may not be reproduced except in it's entirety.

Note:

BS # 2530/48 (S)